

ABSTRACTRECONFIGURATION METHOD APPLICABLE TO A NETWORK OF
IDENTICAL FUNCTIONAL ELEMENTS

This invention relates to a method for reconfiguring a network of parallel functional elements tolerant to the faults of these functional elements including said basic functional elements (P), spare functional elements (Sp), interconnecting elements (Cm) of these functional elements and a control unit, said method comprising:

- a step of positioning the functional elements of the logic network on the physical network;
- 10 - a routing step of programming interconnecting elements on the physical network, by choosing a maximum number of interconnecting elements which can be passed between two neighbouring processors using a shortest track search algorithm.

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Fig. 4